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WATER AND SEWER BOND SALES IN THE UNITED STATES, JANUARY-DECEMBER, 1965

Federal Water Pollution Control Administration
Washington, D. C.

1965

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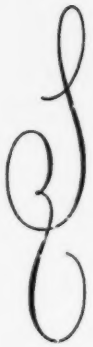
FWPCA

January-December 1965



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Federal Water Pollution Control Administration

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WATER AND SEWER

BOND SALES IN THE UNITED STATES

January-December 1965

FEDERAL WATER POLLUTION CONTROL ADMINISTRATION
Basic Data Program
Washington, D.C. 20243

I

Other Publications in the Series

Water and Sewer Bond Sales in the United States, 1964
Public Health Service Publication No. 965

Water and Sewer Bond Sales in the United States, 1963
Public Health Service Publication No. 965

Water and Sewer Bond Sales in the United States, 1962
Public Health Service Publication No. 965

Water and Sewer Bond Sales in the United States, 1961
Public Health Service Publication No. 965

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Water and Sewage Bond Sales in the United States
January–December 1959
Public Health Service (Unnumbered Publication)

Water and Sewage Bond Sales in the United States
July 1956–June 1959
Public Health Service (Unnumbered Publication)

WP-16
(Formerly Public Health Service Publication No. 965)

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INTRODUCTION

This annual report of Water and Sewer Bond Sales in the United States contains data which are basic and necessary to the orderly and efficient management of water supply and pollution control programs. It reflects, in a measure, the extent of financing to fulfill these two important public services in a growing nation. The report also provides a ready source of economic reference for financial, investment and banking interests; for the building and contracting trades and professions; and for authorities responsible for providing public water supplies and sewerage systems. The publication series, over the years, is a good indicator of interest rate and construction cost trends in these two types of public utility.

The tables supplement the annual publication of contract award data, last reported in *Sewage and Water Works Construction 1965*. (Publication No. WP-15.) Similar tables which describe bonds sold between July 1953 and December 1964 are available. The basic information from which these tables were developed was obtained from the Investment Bankers Association by special arrangement. It is believed these tables present information not otherwise readily available.

Data are presented in three categories according to the use of the proceeds from the sale: (1) WATER when the bonds have been sold to finance water facilities; (2) SEWER, to finance sewage facilities; and (3) COMBINATION, to finance jointly water and sewage facilities where the portions attributable to each type are not designated. Data describing bonds sold to finance other types of construction in combination with water and/or sewage facilities construction are excluded. Data describing bonds sold to finance storm sewers are omitted, although these data are available.

It should also be noted that these data describe only those sales reported to the Investment Bankers Association or assembled by that Association from available documents. Locally negotiated sales that may not be reported in bond publications or by State agencies responsible for controlling municipal bond sales are not included. Thus, these tabulations need to be considered as meaning "at least this much." By dollar value of sales, coverage is believed to be nearly complete.

Net interest cost figures shown on pages 8–10 are presented by month, by Moody rating, by dollar size of the bond issue, by population size, and by issuing authority. The figures listed are weighted averages, data being weighted by dollar amount of the issues. Similar tabulations are available for the years 1959 through 1964.

Water and sewer bond sales for 1965 totaled $1,417 million which was 5 percent under 1964. Bonds for financing water facilities accounted for $657 million, while those for building sewage treatment facilities and laying collecting sewers amounted to $560 million. In addition, bonds totaling $200 million were intended for use in combination projects for both water and sewerage construction. California again had the largest dollar volume as well as number of issues. Puerto Rico, and the District of Columbia reported no sales.

TOTAL BOND SALES
1957–1965
(Million dollars)
BY YEAR

Year	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
1957	1,414	1,009	573	483	674	408	167	118
1958	1,492	1,045	610	405	715	526	167	114
1959	1,312	1,073	531	530	608	433	173	110
1960	1,382	1,003	587	499	614	389	181	115
1961	1,442	1,226	563	545	709	570	170	111
1962	1,240	1,119	495	418	606	594	139	107
1963	1,533	1,319	559	613	732	524	242	181
1964	1,474	1,485	607	769	661	551	206	165
1965	1,230	1,417	467	657	562	560	201	200

BOND SALES
January–December 1965
(Thousand dollars)
BY MONTH

Month	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
January	119	147,197	46	64,148	53	60,807	20	22,242
February	80	197,078	27	46,879	48	146,834	5	3,365
March	109	88,287	46	40,660	46	29,729	17	17,898
April	83	67,373	28	20,542	46	40,996	9	5,835
May	110	117,702	43	48,653	52	58,126	15	10,923
June	119	123,172	35	56,663	59	37,719	25	28,790
July	107	57,386	38	20,809	48	20,201	21	16,376
August	99	95,771	37	63,909	43	19,120	19	12,742
September	124	102,621	51	48,773	55	43,126	18	10,722
October	97	76,196	41	21,816	39	34,835	17	19,545
November	107	225,712	42	130,991	43	25,779	22	38,942
December	76	118,193	33	62,899	30	42,224	13	13,070
Total	1,230	1,416,688	467	656,742	562	559,496	201	200,450

BOND SALES

January–December 1965

(Thousand dollars)

BY ISSUING AUTHORITY

Issuing Authority	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
State	5	203,135	2	100,135	3	103,000	-------	-------
County	38	73,327	13	21,808	22	48,001	3	3,518
Municipality	842	680,685	303	275,979	367	242,067	172	162,639
Township	28	11,726	9	2,971	16	7,460	3	1,295
Special district	225	253,688	109	152,240	105	94,728	11	6,720
Statutory authority	92	194,127	31	103,609	49	64,240	12	26,278
Total	1,230	1,416,688	467	656,742	562	559,496	201	200,450

BOND SALES

January–December 1965

(Thousand dollars)

BY BOND ISSUE SIZE

Dollar size of bond issue	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
Under 50,000	120	3,295	47	1,333	60	1,599	13	363
50,000–100,000	122	8,491	45	3,068	63	4,494	14	929
100,000–200,000	205	28,362	95	12,586	76	10,934	34	4,842
200,000–500,000	284	86,550	115	34,423	123	37,709	46	14,418
500,000–1,000,000	206	137,766	53	36,657	108	70,918	45	30,191
1,000,000–2,000,000	141	192,138	50	67,555	66	90,315	25	34,268
2,000,000–5,000,000	102	300,159	32	94,305	53	158,407	17	47,447
5,000,000–10,000,000	30	190,552	15	93,950	10	62,120	5	34,482
Over 10,000,000	20	469,375	15	312,865	3	123,000	2	33,510
Total	1,230	1,416,688	467	656,742	562	559,496	201	200,450

BOND SALES

January–December 1965

(Thousand dollars)

BY STATE

State	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
Alabama	10	14,961	7	11,058			3	3,903
Alaska	4	1,283	2	805	2	478		
Arizona	9	16,606	2	12,000	3	1,060	4	3,546
Arkansas	1	3,224					1	3,224
California	96	328,381	50	182,960	43	141,866	3	3,555
Colorado	17	21,646	10	17,800	5	3,105	2	741
Connecticut	18	16,337	3	6,550	15	9,787		
District of Columbia								
Delaware	8	2,635	2	825	6	1,810		
Florida	29	48,475	7	22,175	9	12,715	13	13,585
Georgia	8	11,740	1	2,000	1	1,725	6	8,015
Hawaii	2	5,000	2	5,000				
Idaho	2	2,753	1	2,540			1	213
Illinois	55	56,276	20	28,287	18	16,002	17	11,987
Indiana	31	29,866	7	2,864	24	27,002		
Iowa	20	11,673	4	5,330	16	6,343		
Kansas	35	9,232	11	6,559	24	2,673		
Kentucky	36	38,953	17	24,434	11	7,972	8	6,547
Louisiana	31	21,076	13	14,829	17	6,095	1	152
Maine	5	2,906	4	2,626	1	280		
Maryland	10	15,940	3	6,800	5	8,330	2	810
Massachusetts	81	36,511	41	20,192	40	16,319		
Michigan	87	82,260	36	28,011	45	52,072	6	2,177
Minnesota	50	21,665	20	4,792	27	15,268	3	1,605
Mississippi	19	11,107	7	7,987	4	1,347	8	1,773
Missouri	25	33,272	6	21,689	11	8,626	8	2,957
Montana	5	1,118	1	210	4	908		
Nebraska	4	5,235	2	3,535	2	1,700		
Nevada	9	6,450	2	450	7	6,000		
New Hampshire	10	4,072	5	1,295	5	2,777		
New Jersey	51	46,662	22	7,694	23	24,016	6	14,952
New Mexico	4	2,575	3	2,325	1	250		
New York	52	50,936	28	39,555	22	9,826	2	1,555
North Carolina	41	37,585	14	13,911	25	23,424	2	350
North Dakota	2	915	1	575			1	340
Ohio	55	38,418	18	18,905	33	17,901	4	1,612
Oklahoma	35	44,114	24	39,344	8	4,386	3	384
Oregon	29	9,995	16	4,729	13	5,266		
Pennsylvania	69	107,573	16	11,693	46	55,345	7	40,535
Puerto Rico								
Rhode Island	6	9,175	3	3,225	3	5,950		
South Carolina	14	12,555	1	2,150	3	1,270	10	9,135
South Dakota	6	3,295	2	400	4	2,895		
Tennessee	15	11,306	5	4,890			10	6,416
Texas	73	98,116	15	43,005	8	3,945	50	51,166
Utah	2	2,140	1	1,100			1	1,040
Vermont	4	1,709			4	1,709		
Virginia	8	5,435	1	950	1	1,615	6	2,870
Washington	27	46,735	5	13,923	9	27,407	13	5,405
West Virginia	4	4,100	1	1,620	3	2,480		
Wisconsin	15	22,446	4	2,895	11	19,551		
Wyoming	1	250	1	250				
Total	1,230	1,416,688	467	656,742	562	559,496	201	200,450

BOND SALES

January–December 1965

(Thousand dollars)

BY POPULATION OF ISSUING AUTHORITY

Population size of issuing authority	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
Under 10,000	453	135,137	161	42,223	188	54,585	104	38,329
10,000–25,000	173	156,125	58	61,806	79	63,004	36	31,315
25,000–50,000	88	119,493	35	71,103	46	37,721	7	10,669
50,000–100,000	75	119,749	29	46,716	38	54,398	8	18,635
100,000–250,000	41	65,266	22	48,906	17	13,188	2	3,172
250,000–500,000	29	85,570	9	43,775	18	31,995	2	9,800
500,000–1,000,000	20	60,761	9	32,995	8	11,663	3	16,103
Over 1,000,000	22	324,115	7	143,425	13	147,180	2	33,510
Unidentified	329	350,472	137	165,793	155	145,762	37	38,917
Total	1,230	1,416,688	467	656,742	562	559,496	201	200,450

BOND SALES

January–December 1965

(Thousand dollars)

BY TYPE OF ISSUE

Type of issue	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
General obligation bonds								
Unlimited Tax	690	767,117	280	339,822	353	370,474	57	56,821
Unlimited Tax Secured By:								
Utility Revenue	1	420	1	420				
Special Assessment	40	12,447	10	2,204	28	9,720	2	523
Limited Tax	54	52,518	24	33,002	27	17,641	3	1,875
Limited Tax Secured By:								
Utility Revenue	2	3,415	1	3,150	1	265		
Special Assessments	11	5,193	2	66	8	4,808	1	319
Revenue bonds								
Utility Revenue	417	565,544	146	276,924	134	147,935	137	140,685
Special Tax Revenue	8	6,755	1	188	7	6,567		
Rental Revenue	7	3,279	2	965	4	2,086	1	227
Total	1,230	1,416,688	467	656,742	562	559,496	201	200,450

GENERAL OBLIGATION BOND SALES

January–December 1965

(Thousand dollars)

BY NET INTEREST COST RANGES

Net interest cost range midpoint (percent)	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
2.000								
2.250								
2.500	2	1,466	2	1,466				
2.750	14	7,557	5	4,969	9	2,588		
3.000	125	187,442	50	114,136	72	70,153	3	3,153
3.250	178	133,484	67	38,032	99	80,720	12	14,732
3.500	152	248,897	64	55,044	78	166,639	10	27,214
3.750	103	181,743	50	135,524	40	39,947	13	6,272
4.000	58	33,231	21	15,193	30	14,707	7	3,331
4.250	22	5,246	9	1,041	13	4,205		
4.500	12	5,465	8	3,745	3	1,690	1	30
4.750	6	4,199	3	2,815	3	1,384		
5.000	2	235	2	235				
5.250	3	1,650	1	200	2	1,450		
5.500	2	880	2	880				
5.750	1	875					1	875
N.I.C. unknown	118	28,740	34	5,384	68	19,425	16	3,931
Total	798	841,110	318	378,664	417	402,908	63	59,538

REVENUE BOND SALES

January–December 1965

(Thousand dollars)

BY NET INTEREST COST RANGES

Net interest cost range midpoint (percent)	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
2.000								
2.250								
2.500								
2.750	1	1,200	1	1,200				
3.000	9	20,941	6	4,041	1	1,900	2	15,000
3.250	30	71,714	17	50,099	7	9,715	6	11,900
3.500	67	146,293	22	76,816	22	38,507	23	30,970
3.750	112	149,516	29	52,305	53	67,260	30	29,951
4.000	58	69,899	14	34,202	24	18,141	20	17,556
4.250	35	65,745	8	38,258	12	7,170	15	20,317
4.500	7	3,134	4	2,267	2	667	1	200
4.750	6	5,220	3	2,945	2	440	1	1,835
5.000	6	1,719	4	1,315	1	191	1	213
5.250	2	570	2	570				
5.500								
5.750	2	1,700					2	1,700
N.I.C. Unknown	97	37,927	39	14,060	21	12,597	37	11,270
Total	432	575,578	149	278,078	145	156,588	138	140,912

BOND SALES
NET INTEREST COST
January–December 1965
(Percent)
BY MONTH

Month	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
January	3.08	3.40	3.09	3.35	3.07	3.67
February	3.38	3.50	3.11	3.40	3.44	3.69
March	3.30	3.47	3.34	3.42	3.30	3.64
April	3.18	3.67	3.10	3.44	3.23	3.70
May	3.41	3.48	3.32	3.32	3.49	3.58
June	3.50	3.77	3.35	3.67	3.52	3.77
July	3.60	3.75	3.80	3.70	3.44	3.80
August	3.41	3.60	3.40	3.57	3.43	3.58
September	3.59	3.82	3.42	3.71	3.54	4.09
October	3.63	3.86	3.76	4.44	3.42	3.83
November	3.66	3.98	3.71	4.07	3.50	3.65
December	3.67	3.86	3.72	3.81	3.65	3.97

BOND SALES
NET INTEREST COST
January–December 1965
(Percent)
BY MOODY RATING

Moody rating	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
AAA	3.08	3.69	3.11	3.69	3.06	----------
AA	3.40	3.29	3.43	3.38	3.38	3.44
A	3.32	3.50	3.26	3.50	3.32	3.58
BAA	3.57	3.80	3.62	3.87	3.55	3.72
BA	3.96	3.94	3.99	----------	3.94	3.94
B	5.32	----------	5.41	----------	5.20	----------
Unknown	3.68	3.92	3.65	4.04	3.68	3.76

BOND SALES
NET INTEREST COST
January–December 1965
(Percent)
BY DOLLAR SIZE OF ISSUE

Dollar size of bond issue	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
Under 50,000	3.58	4.13	3.59	4.20	3.53	----
50,000–100,000	3.50	3.66	3.50	3.33	3.50	3.92
100,000–200,000	3.50	3.96	3.58	3.99	3.42	3.98
200,000–500,000	3.49	3.88	3.52	3.93	3.44	3.87
500,000–1,000,000	3.52	3.83	3.51	3.73	3.45	3.81
1,000,000–2,000,000	3.44	3.74	3.51	3.72	3.41	3.68
2,000,000–5,000,000	3.34	3.67	3.34	3.46	3.34	3.71
5,000,000–10,000,000	3.31	3.51	3.29	3.54	3.33	3.59
Over 10,000,000	3.48	3.75	3.49	3.75	3.48	----

BOND SALES
NET INTEREST COST
January–December 1965
(Percent)
BY POPULATION SIZE OF ISSUING AUTHORITY

Population size of issuing authority	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
Under 10,000	3.62	3.87	3.60	3.86	3.60	3.86
10,000–25,000	3.33	3.69	3.16	3.64	3.49	3.59
25,000–50,000	3.32	3.64	3.36	3.67	3.28	3.55
50,000–100,000	3.28	3.81	3.25	3.93	3.29	3.79
100,000–250,000	3.14	3.53	3.16	3.54	3.12	----
250,000–500,000	3.21	3.36	3.19	3.33	3.22	----
500,000–1,000,000	3.23	2.95	3.26	----	3.16	----
Over 1,000,000	3.53	3.56	3.71	3.56	3.41	----
Unidentified	3.58	3.84	3.50	3.86	3.69	3.71

BOND SALES
NET INTEREST COST
January–December 1965
(Percent)
BY ISSUING AUTHORITY

Issuing authority	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
State	3.60	----	3.72	----	3.49	----
County	3.42	4.22	3.50	4.22	3.42	----
Municipality	3.32	3.60	3.27	3.55	3.31	3.68
Township	3.50	4.11	3.53	4.50	3.48	4.05
Special district	3.47	3.83	3.40	3.84	3.57	3.80
Statutory authority	3.55	3.79	3.55	3.76	----	3.72

* U. S. GOVERNMENT PRINTING OFFICE : 1967 O - 272-940